CLAIMS

1) A system for monitoring and controlling access or attendance or a combination of access or attendance of individuals comprising of:

i) an identification means for each individual which are characteristic to said individual;
ii) a mobile data collection unit (hereinafter "DCU") comprising a controller, one or more readers capable of reading said identification means and transferring it to the controller, a power source, and a data managing software (hereinafter "Data Manager") residing on said controller which receives, stores, updates, processes and outputs data regarding each individual;
iii) a management computer;
iv) access control SW Application residing on said management computer
v) a first relay system (hereinafter "Mobile Relay") may be employed to transmit data regarding an individual from the DCU to the management computer
vi) a second relay system (hereinafter "Relay") may be employed to transmit data regarding an individual from said access control application to a remote client;
vii) Individuals data manager used for individuals enrolment to the system, creation of the access control database and database for the manufacturing of the IDUs

2) A system according to claim 1, in which the identification means is selected from the group that consists of biometric features, fingerprints, hand dimensions, eye characteristics, voice characteristics, face characteristics, body-external means, magnetic cards, optically readable cards, bar codes, magnetic stripe, cards with electronic data transfer capability, cards equipped with memory chips or microcomputer known as smartcards electronic chips, or combinations thereof.

3) A system according to claim 1, in which the reader in the mobile data collection unit is a reader selected from the group that consists of biometric readers, fingerprint

readers, hand dimension reader, eye reader, voice reader, face reader, bar code scanner, Contactless smartcard reader, RFID readers magnetic stripe readers or combinations thereof.

4) A system according to claim 1, in which the DCU is a mobile unit comprising of an independent power source.

5) A system according to claim 1, in which the mobile relay connection between the DCU and the management computer is selected from a group that consists of remote means of communication, mobile means of communication, telephone modem, satellite, cable, radio, cellular, wireless LAN, and direct cable connection,

6) A system according to claim 1, in which the controller employed for the purposes of the present invention is selected from a group that consists of a computer capable of supporting the Data Manager and the communication between it and the reader and the management computer.

7) A system according to claim 1 in which the management computer is a single board computer.

8) A system according to claim 1, in which said system is a student-attendance-monitoring system in a school.

9) A system according to claim 1, in which said system is designed for controlling the boarding of passengers on an airplane.

10) A system according to claim 1, in which said system is designed for a conference or exhibition wherein the knowledge and control of the presence of the participants or the visitors is needed.

11) A system according to claim 1, in which said system is applied in a school bus, thus controlling the entry, presence and departure of students to, in and from said school bus.